

JP 53054295

Patent 1 of 1



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Patents Cited by Inventor: 0
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Patent Number(s):
JP53054295-A

Title:

Polyester prodn. by crystallisation - giving good dimensional stability, transparency, heat and chemical resistances and heat distortion

Patent Assignee Name(s) and Code(s):
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Derwent Primary Accession Number:
1978-46418A [27]

Abstract:

Polyesters comprising mainly the ester unit of aromatic dicarboxylic acids and 2,2-bis(4'-hydroxyphenyl)propane, are produced by allowing amorphous polyesters, having reduced viscosities of 0.15-0.7, to stand in contact with crystallisation media until (part of) the surface of the polyester grains are crystallised and the specific gravity of the whole crystallisation polyester grains becomes 0.0005-0.02 higher than the specific gravity of the whole amorphous polyester grains; and polymerising the crystallised grains in the solid phase so as to raise the reduced viscosity by >0.1 .

The polyesters contain 10-30 mole % of the third component.

The polyesters, having reduced viscosities of 0.15-0.7 are pref. produced by subjecting ester-forming derivs. of bifunctional carboxylic acids and diols to ester exchange, opt. in the presence of catalysts, and then melt-polymerising the reaction prods. The reduced viscosity is determined in phenol/tetrachloroethane (60/40) in a polymer concn. of 1.2 g/dl at 35 degrees C.

International Patent Classification:

C08G-063/26

Derwent Class:

A23 (Polyamides, polyesters, polycarbonates, alkyds)

Derwent Manual Code(s):

A05-E01A; A10-D; A11-B02

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